

SITE LOCATION MAP NOT TO SCALE

TRUE NORTH PLAN NORTH

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PROJECT

LAKE LIVINGSTON STATE PARK **ROOF REPLACEMENT**

PROJECT NO: MR10354

DATE: MAY 7, 2020

INDEX OF DRAWINGS

SHEET NO. DESCRIPTION

COVER SHEET

ABBREVIATIONS, NOTES AND SUBMITTALS

ROOF PLAN & PHOTOS ROOF DETAILS

DETAILS AND NOTES

BUILDING CODE SUMMARY

a. INTERNATIONAL CODE COUNCIL ADOPTIONS*

1. BUILDING CODE INTERNATIONAL BUILDING CODE 2015 2. STRUCTURAL CODE INTERNATIONAL BUILDING CODE 2015 3. PLUMBING CODE INTERNATIONAL PLUMBING CODE 2015

4. MECHANICAL CODE INTERNATIONAL MECHANICAL CODE 2015 INTERNATIONAL FUEL GAS CODE 2015

6. RESIDENTIAL CODE INTERNATIONAL RESIDENTIAL CODE 2015 7. EXISTING BUILDINGS INTERNATIONAL EXISTING BUILDINGS CODE 2015

* International Fire Code omitted in lieu of TPWD's implementation of National Fire Protection Association codes. International Energy Conservation Code 2015 omitted in lieu of Energy Standard for Buildings, ASHRAE/IESNA Standard 90.1 (2013).

B. NATIONAL FIRE PROTECTION ASSOCIATION

1. ELECTRIC CODE NATIONAL ELECTRICAL CODE NFPA-70 2017 NFPA - 1 2015 2. FIRE CODE

3. LIFE SAFETY CODE NFPA - 101 2015

. STATE ENERGY CONSERVATION OFFICE (SECO)/TEXAS COMPTROLLERS OFFICE 1. ENERGY CODES FOR STATE BUILDINGS - See Energy Conservation Design Standards: Texas Administrative Code,

Title 34, Part 1,Ch.19, Subchapter C a. COMPLIANCE WITH THE ENERGY CONSERVATION DESIGN STANDARD OF THE AMERICAN SOCIETY OF HEATING, REFRIGERATION AND AIR CONDITIONING ENGINEERS (ASHRAE) /ILLUMINATING ENGINEERING SOCIETY OF NORTH AMERICA (IESNA), ENERGY STANDARD FOR BUILDINGS, ASHRAE/IESNA STANDARD 90.1

See SECO website for State Funded Buildings, New Construction and Major Renovation Requirements and SECO

Compliance Certification Forms 2. WATER CONSERVATION STANDARDS FOR STATE BUILDINGS - Energy Conservation Design Standards: Texas

Administrative Code, Title 34, Part 1,Ch.19, Subchapter C a. COMPLIANCE WITH THE WATER CONSERVATION DESIGN STANDARDS FOR STATE BUILDINGS AND

INSTITUTIONS OF HIGHER EDUCATION FACILITIES, STATE ENERGY CONSERVATION OFFICE (SECO), 2016 See SECO website for Texas Water Conservation Design Standards, Requirements and SECO Compliance Certification / Reporting Form

1. US DEPT. OF JUSTICE, 2010 ADA STANDARDS FOR ACCESSIBLE DESIGN

2. ARCHITECTURAL BARRIERS ACT ACCESSIBILITY GUIDELINES; OUTDOOR DEVELOPED AREAS, NOVEMBER 25, 2013 3. 2012 TEXAS ACCESSIBILITY STANDARDS, ELIMINATION OF ARCHITECTURAL BARRIERS, TEXAS GOVERNMEN

CODE, CHAPTER 469

1. ASTM F1487-17, STANDARD CONSUMER SAFETY PERFORMANCE SPECIFICATIONS FOR PLAYGROUND

EQUIPMENT FOR PUBLIC USE ASTM F2223-15, STANDARD GUIDE FOR ASTM STANDARDS ON PLAYGROUND SURFACING

SCOPE OF WORK

CONTRACTOR SHALL FURNISH ALL LABOR, EQUIPMENT, TOOLS, MATERIALS, AND INCIDENTALS NECESSARY TO REMOVE THE EXISTING ROOFING PANELS, REPAIR WOOD TRUSS, REPLACE DAMAGED DECKING AND PURLINS, AND INSTALL NEW ROOF ON THE MAINTENANCE BUILDING AT LAKE LIVINGSTON STATE PARK.



TEXAS PARKS AND WILDLIFE

INFRASTRUCTURE DIVISION

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PROJECT MÁNAGER, INFRASTRUCTURE DIVISION

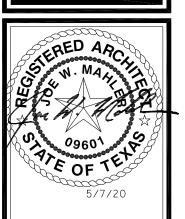
5/14/2020

5/26/20



ABBREVIATIONS	8		DRAWING SYMBOL LEGEND	GENERAL DEMOLITION NOTES	EXISTING MATERIALS NOTES
ACOUST ACOUSTICAL AFF ABOVE FINISHED FLOOR ADD ADDITION ADJ ADJUSTABLE A/C AIR CONDITIONING ALT ALTERNATE ALUM ALUMINUM APPROX APPROXIMATE APPVD APPROVED ARCH ARCHITECT AVE AVENUE BD BOARD BETW BETWEEN BLDG BUILDING BLKG BLOCKING BM BEAM, OR BENCH MARK BOT BOTTOM BRZ BRONZE BSMT BASEMENT C TO C CENTER TO CENTER CAB CABINET CER CERAMIC CJ CONSTRUCTION JOINT CONTROL JOINT CL CENTER LINE CLG CEILING CLR CLEAR CLOS CLOSET CMU CONCRETE MASONRY UNIT CO CLEANOUT COL COLUMN CONC CONCRETE CONSTRUCTION CONT CONTINUOUS CONTD CONTINUOUS CONTD CONTINUOUS CONTRUCTION	NIC NO NOM NTS OA OC OD OH OPNG OPP ORIG OVHD	LAMINATE LAVATORY POUND LABEL LIGHTWEIGHT MACHINE MAINTENANCE MATERIAL MAXIMUM MEMBER MEDICINE CABINET MECHANICAL MECH/ELEC/PLMB MANUFACTURER MANAGER MINIMUM MISCELLANEOUS MARK MOULDING MASONRY OPENING MASONRY MOUNTED METAL MULLION MICROWAVE NOT IN CONTRACT NUMBER NOMINAL NOT TO SCALE OVERALL ON CENTER OUTSIDE DIAMETER OPPOSITE HAND OPENING OPPOSITE ORIGINAL OVERHEAD	COLUMN GRID - EXISTING WALLS BELOW THE ROOF RECEPTION ROOM NAMES AND NUMBERS OUNDO, OD DETAIL MARK SECTION AREA OF WORK	1. ANY ITEM WHICH IS DESIGNATED TO REMAIN AND IS LOST OR DAMAGED DURING CONSTRUCTION SHALL BE REPLACED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER. 2. PROMPTLY REPAIR ADJACENT SURFACES DAMAGED BY DEMOLITION OPERATIONS. 3. REMOVE DEMOLISHED MATERIALS AND DEBRIS FROM THE SITE IN A MANNIER APPROVED BY THE PROJECT MANAGER. TRANSPORT AND LEGALLY DISPOSE OFF MATERIALS AT AN APPROVED OFF SITE LOCATION. 4. UPON COMPLETION OF DEMOLITION WORK, REMOVE TOOLS, EQUIPMENT AND MATERIALS FROM SITE. REMOVE PROTECTIONS AND LEAVE SITE CLEAN. 5. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.	MAINTENANCE BUILDING 1. EXISTING ROOF IS EXPOSED FASTENER METAL PANEL. 2. EXISTING DECKING IS PLYWOOD SHEATHING.
COR CONTRACTING OFFICER'S REPRESENTATIVE CTR CENTER CW COLD WATER DBL DOUBLE DET DETAIL DF DRINKING FOUNTAIN DIA DIAMETER DIAG DIAGONAL DIM DIMENSION DIV DIVISION DEMO DEMOLITION DN DOWN DR DOOR DS DOWNSPOUT DWG DRAWING DWR DRAWER EA EACH ELEV ELEVATION ELEC ELECTRICAL ENCL ENCLOSURE ENGR ENGINEER EQ EQUAL EQUIP EQUIPMENT ETC AND SO FORTH EWC ELECTRIC WATER COOLER EXH EXHAUST EXTG EXISTING EXP EXPOSED EXT EXTERIOR FD FLOOR DRAIN FE FIRE EXTINGUISHER FEC FIRE EXTINGUISHER CABINET FED FEDERAL FF FINISHED FLOOR FV FIELD VERIFY FHC FIRE HOSE CABINET FLOW LINE	PART PART BD PL PLAM PLMB PLYWD PREFAB PR PROP PSI PTD RA RAD RAG RE RECEPT RECT RELOC REQD REP RESIL REV RH RMD RO RTN SC SCHED SECT SEQ SF SGL SH SIM SPEC SQ SS	PARTIAL PARTICLE BOARD PROPERTY LINE PLASTIC LAMINATE PLUMBING PLYWOOD PREFABRICATED PAIR PROPERTY POUNDS PER SQ IN PAINTED RETURN AIR RADIUS RETURN AIR GRILL REFER RECESSED RECEPTACLE RECTANGULAR RELOCATED REQUIRED REPRESENTATIVE RESILIENT REVISION RIGHT HAND ROOM ROUND ROUGH OPENING RETURN SOLID CORE SCHEDULE SECTION SEQUENCE SQUARE FEET SINGLE SHEET SIMILAR SPECIFICATION SQUARE STAINLESS STEEL	REVISION REFERENCE, CLOUDED AREA REVISED	EXISTING CONDITIONS 1. CONTRACTOR SHALL VERIFY ALL EXISTING DIMENSIONS, ELEVATIONS, SLOPES, AREAS, AND CONDITIONS. DIMENSIONS AND AREAS SHOWN ON THE DRAWINGS ARE APPROXIMATE. 2. DRAWINGS IN THIS SET ARE NOT TO BE CONSIDERED MEASURED DRAWINGS OF AS-CONSTRUCTED CONDITIONS. 3. FIELD MEASUREMENTS WILL BE REQUIRED TO COMPLETE THE WORK. THE CONTRACTOR SHALL OBTAIN ALL FIELD MEASUREMENTS AS NECESSARY TO FABRICATE ITEMS OF WORK AND TO COMPLETE THE WORK DEPICTED IN THE CONSTRUCTION DOCUMENTS. 4. IF CONDITIONS ARE ENCOUNTERED WHICH DIFFER FROM CONDITIONS SHOWN OR SPECIFIED IN THE CONSTRUCTION DOCUMENTS, TO INCLIDE BUT NOT BE LIMITED TO DETERIORATED MATERIALS, OR DIFFERENT CONCEALED MATERIALS, CONTRACTOR SHALL NOTIFY THE OWNERS REPRESENTATIVE FOR CLARIFICATION AND SHALL NOT PROCEED WITH ADDITIONAL WORK WITHOUT WRITTEN AUTHORIZATION.	PROPOSED MATERIALS NOTES MAINTENANCE BUILDING 1. NEW ROOFING MATERIAL SHALL BE EXPOSED FASTENER METAL PANEL TO MATCH COLOR ADJACENT BUILDINGS. 2. NEW RAKE, EAVE FLASHING SHALL BE PRE-FINISHED STEEL BY ROOF PANEL MANUFACTURER. COLOR TO MATCH ROOFING PANEL. 3. NEW GUTTERS AND DOWNSPOUTS MATERIAL AND COLOR TO MATCH ROOFING PANEL. 4. NEW ROOFING TO BE BE CAPABLE OF RESISTING WIND SPEED OF 117/mph (RISK CATEGORY II). 5. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.
FLR FLR FLOOR FPRF FIREPROOF FR FRAME FTG FOOTING FURR FURRING FW FIRE WALL FXTR FIXTURE GA GAUGE GALV GALVANIZED GEN GENERAL GFE GOVERNMENT FURNISHED EQUIPMEN GFM GOVERNMENT FURNISHED MATERIAL GL GL GL GL GL GL GYP GYPSUM GYP BD GYPSUM GYP BD GYPSUM BOARD GC GENERAL CONTRACTO HDWR HARDWARE HM HOLLOW METAL HORIZ HORIZONTAL HT HEIGHT HTR HEATER HWD HARDWOOD HVAC HEATING, VENTILATING AND AIR CONDITIONING HW HOT WATER HWH HOT WATER INSUL INSULATION INTR INTERIOR JAN JANITOR JT JOINT	VENT VERT VCT VET VOL VWC WD WH	STANDARD STEEL STORAGE STRUCTURAL SURFACE SUSPENDED TECHNICAL TELEPHONE THICK (NESS) THROUGH TYPICAL UNFINISHED UNLESS NOTED OTHERWISE VENTILATE VERTICAL VINYL COMPOSITION TILE VINYL ENHANCED TILE VOLUME VINYL WALLCOVERING WOOD WATER HEATER WAREHOUSE WATERPROOF WITH WITHOUT WEIGHT YARD			SUBMITTALS TABLE REQUIRED SUBMITTALS PRIOR TO INSTALLATION MATERIAL/PRODUCT WALL DOOR HAND OF THE STANDARD OF THE PRIOR TO INSTALLATION MATERIAL/PRODUCT WALL DOOR HAND OF THE STANDARD OF THE PRIOR TO INSTALLATION WALL DOOR HAND OF THE STANDARD OF THE PRIOR TO INSTALLATION WATERIAL/PRODUCT WALL DOOR HAND OF THE STANDARD OF THE PRIOR TO INSTALLATION WATERIAL/PRODUCT WALL DOOR HAND OF THE STANDARD OF THE PRIOR TO INSTALLATION OTHER MOTES OTHER MOT







E LIVINGSTON STATE PAR ROOF REPLACEMENT PROJECT NUMBER: MR10354

DATE: 5-7-2020
DESIGN BY: RZ
DRAWN BY: RZ
REVIEW BY: DS
REVISED:
REVISED:

REVISED:

CHICKEN WIRE & FASTENERS ● ●

CAULKS

METAL FRAMING ANCHORS

GUTTERS, DOWNSPOUTS, & HARDWARE • • •

SHEET TITLE
ABBREVIATIONS,
NOTES &
SUBMITTALS

SHEET NUMBER

5X6 DOWNSPOUT. ATTACH TO

EXIST. WALL OR COLUMN AND DISCHARGE ON NEW CONCRETE SPLASH BLOCKS.TYP. OF (2).

6X8 GUTTER PER SMACNA

EXISTING SHEETROCK CEILING

HATCH INDICATES AREA OF NEW INSULATION INSTALLED BELOW DECKING. SECURE POULTRY NETTING

TO EXISTING TRUSSES TO HOLD INSULATION IN PLACE. REF.

IN THE OFFICE NOT SHOWN

STANDARDS

FOR CLARITY.

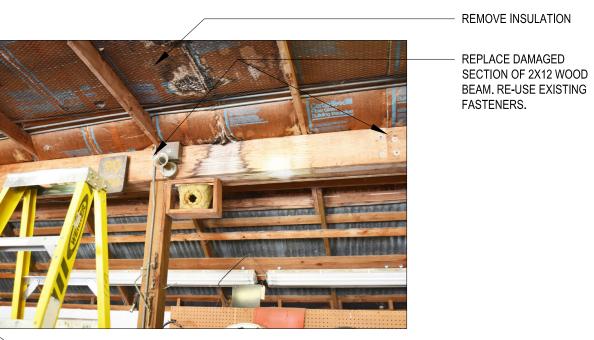
SPECIFICATIONS.

REVISED:

SHEET NUMBER

A1





VIEW AT EXISTING BEAM



SEE CLEARER PHOTOS

IN BID DOCUMENTS

REMOVE INSULATION



G VIEW AT SHOP AREA

REPLACE DAMAGED ROOF

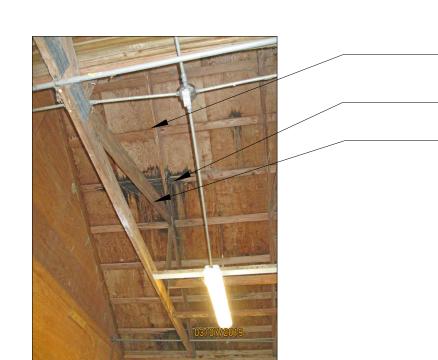
DECKING. TYP.

REPLACE DAMAGED

REF. STRUCTURAL.

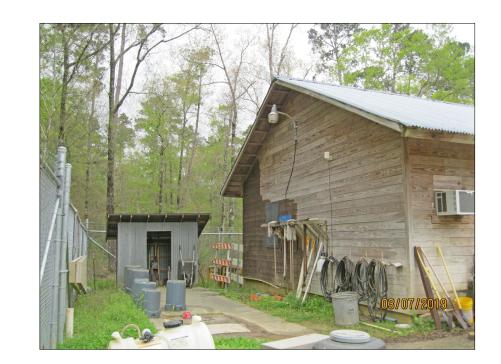
WOOD PURLINS. TYP.

REPAIR DAMAGED TRUSS.



REPLACE DAMAGED ROOF DECKING. TYP. REPLACE DAMAGED WOOD PURLINS. TYP.

E VIEW OF DAMAGE AT OPEN SPACE



F VIEW OF DAMAGE IN TOOL STORAGE AREA



(C) NORTH VIEW OF MAINTENANCE SHOP



B WEST VIEW OF MAINTENANCE SHOP



(A) SOUTH VIEW OF MAINTENANCE SHOP

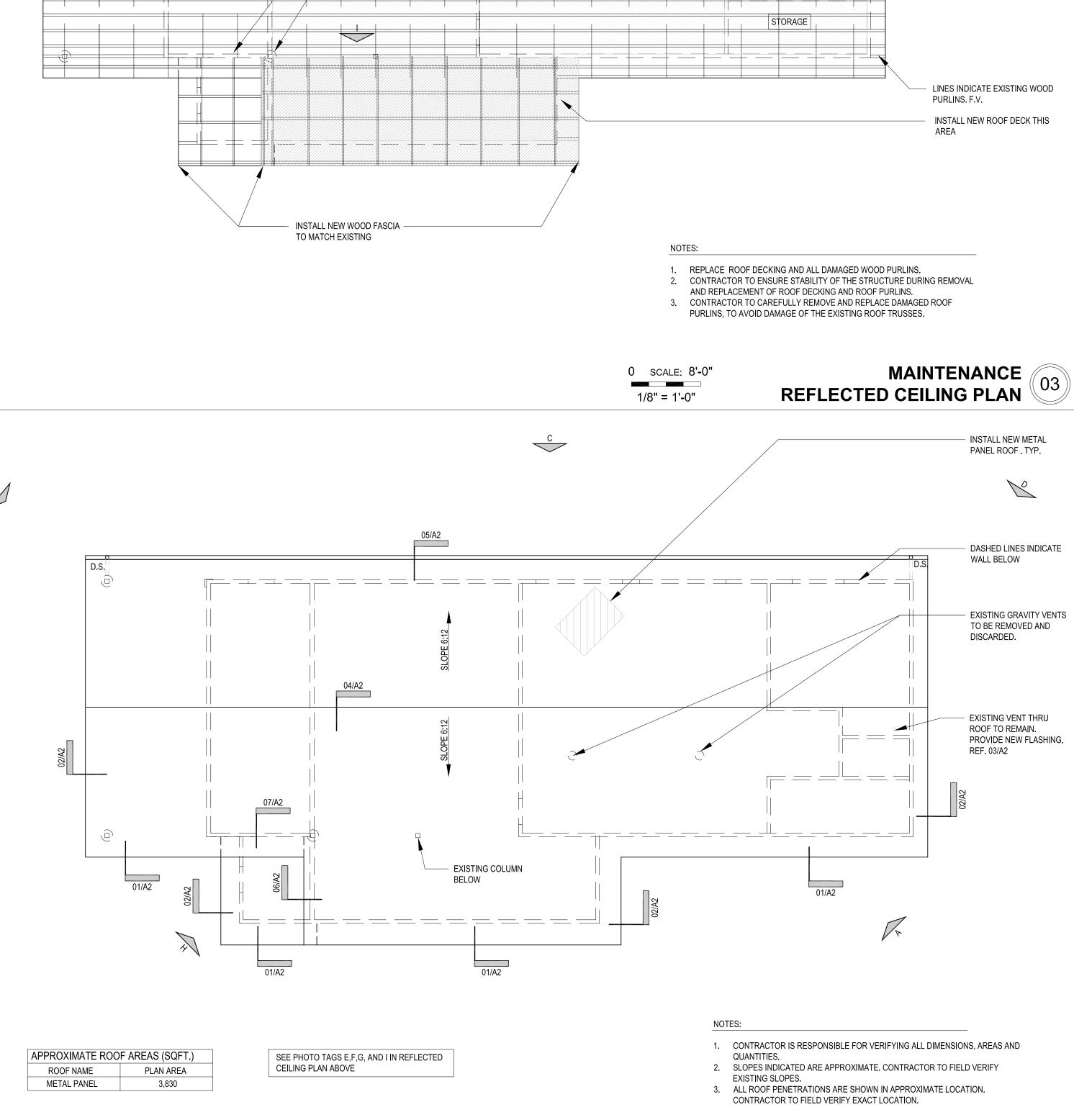
N.T.S.

REPLACE FASCIA BOARD

TO MATCH EXISTING

MAINTENANCE 02 PHOTOS





REPLACE DAMAGED SECTION

OF 2X12 WOOD BEAM. RE-USE EXISTING FASTENERS.

\$HOP AREA 2

INSTALL NEW WOOD FASCIA

- REPAIR EXISTING DAMAGED WOOD TRUSS. REF.

TRUSSES TO REMAIN. F.V.

LINES INDICATE EXISTING WOOD

SHOP AREA 1

TO MATCH EXISTING.

STRUCTURAL.

OPEN

PORCH

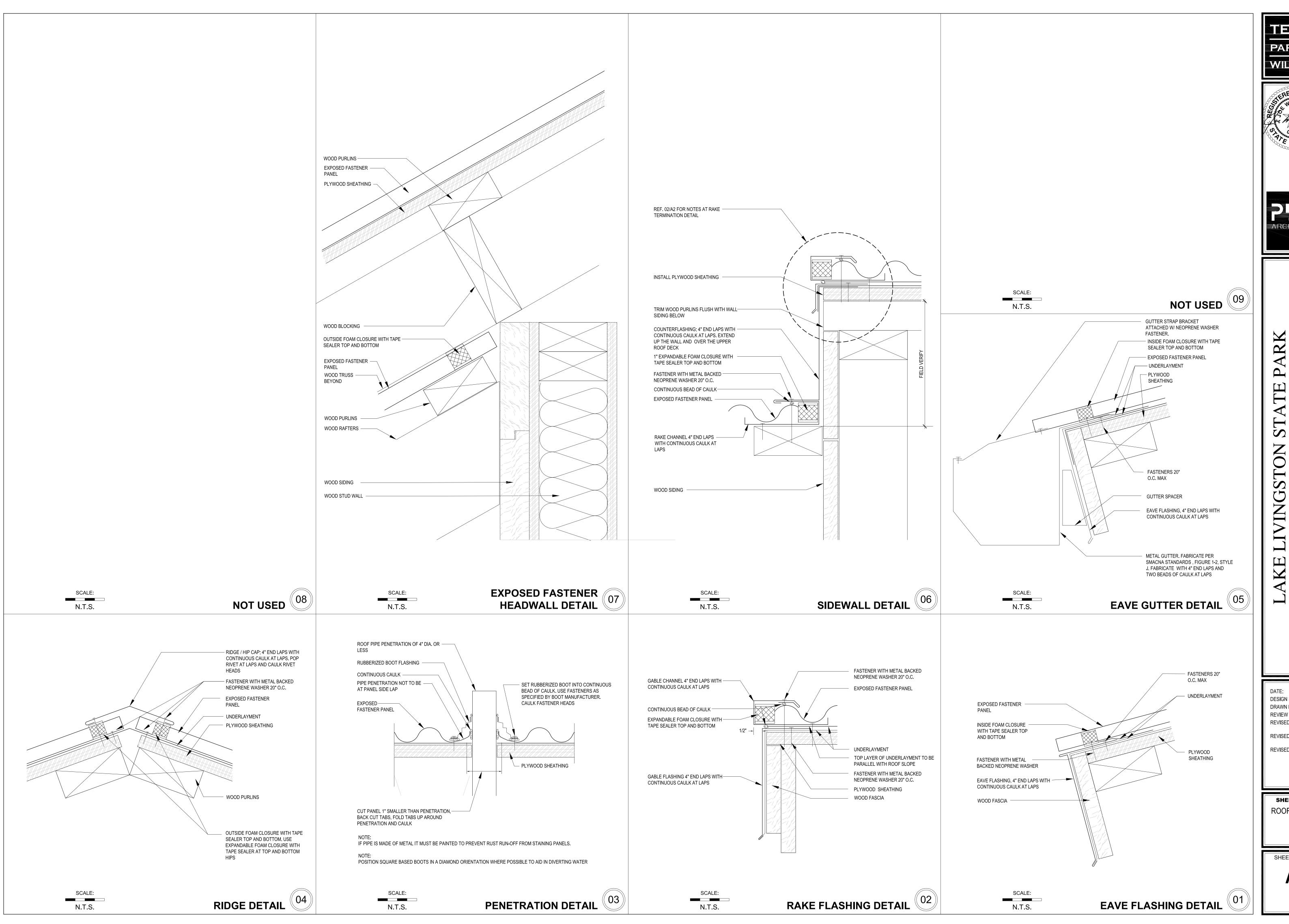
STORAGE

PLAN NORTH

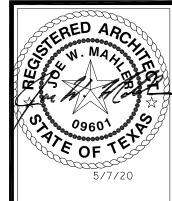
TRUE NORTH

0 SCALE: 8'-0" 1/8" = 1'-0"

MAINTENANCE ROOF PLAN









ROOF

DESIGN BY: RZ DRAWN BY: RZ REVIEW BY: DS REVISED: REVISED: REVISED:

SHEET TITLE **ROOF DETAILS**

SHEET NUMBER

STRUCTURAL NOTES:

1. REPAIR ALL WATER DAMAGED TRUSSES PER DETAIL 1S.1

2. REMOVE AND REPLACE ALL WATER DAMAGED WOOD DECKING, SLEEPERS, FRAMING, ETC. TO MATCH EXISTING CONSTRUCTION.

3. ALL WOOD IN UNCONDITIONED SPACE SHOULD BE PRESSURE TREATED.

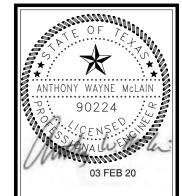
1" = 1'-0"

Garza + McLain
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FIRM NO.:
EXPIRATION:
JOB NO.:







ELIVINGSTON STATE F
ROOF REPLACEMENT
PROJECT NUMBER:MR10354

DATE: 2-3-2020
DESIGN BY: AWN
DRAWN BY: DJ
REVIEW BY: AWN REVISED:

REVISED:

SHEET TITLE
DETAILS AND
NOTES

SHEET NUMBER

S.1